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**CENTRE OF GRADUATE STUDIES
MASTER OF INFORMATION TECHNOLOGY**

CMPJ6061 Project(I & II)

[REMOTE PHOTO GALLERY WITH USERS MANAGEMENT]

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Digital Library OUM



0024120

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INTRODUCTION

a. BACKGROUND OF THE COMPANY

Nittsu Transport Service (M) Sdn Bhd was formed as a subsidiary company of Nippon Express Malaysia Sdn Bhd and commenced in the middle of year 1989. The company started humbly with only a single truck, as time goes by with the management ingenious leadership and persistent determination of hard work the company finally emerges from its adolescence gradually to its maturity that constituted more than one hundred trucks. Over the years, Nittsu enjoy tremendous growth in business volume, manpower and capital investment in trucks. Presently, Nittsu Transport Service (M) Sdn Bhd trucks ranging from 8 to 20 tonner, of which 90% of the fleet are fitted with mobile telephone and global positioning system for closer communications aiming at providing faster and more efficient services to its esteem clients.

The Nippon Express multimodal approach to freight forwarding provides a choice of options for today's global business activities. For some of the world's most important markets, its Sea, Air & Truck Service is faster than standard ocean freight and more economical than air freight. It's an example of a comprehensive approach to serving the world's freight transportation needs.

b. MAJOR ACTIVITIES OF THE COMPANY

Nittsu Transport Service (M) Sdn Bhd provides specialized services such as the transportation of general cargoes, bonded cargoes and consolidated cargoes to cater for the ever fast growing needs of the electronics goods / household appliances / electrical factories / automotives production / automotives assembly / consumer products and many other related industries.

A complete integrated services ranging from the transportation of heavy and bulky cargoes or equipments from the respective port to the plant site including installation and assembly, to cater for the rapid industrial development in Malaysia.

Nittsu Transport Service (M) Sdn Bhd has participated in various projects in Malaysia, involving the transportation of heavy equipment's and with installations, such as the involvement in the set up of power and petrochemical plants. It also provides the custom documentation and clearance facilities to ensure the prompt deliveries of sea and air cargoes to any places in Malaysia to meet its customers' needs. From its experiences in projects, namely

MTBE / Propylene Plant, Mitsubishi Johor Plant and Fatty Chemical Malaysia, it has become thoroughly acquainted with every aspect of the transportation, erection and construction in Malaysia

The international freight forwarder is sometimes called a transportation consultant because its job is to plan, design and execute an entire international shipment for the exporter. That term aptly describes Nippon Express because its freight forwarding operation is devoted to helping exporters plan their international transportation strategies, and then execute these plans through the services of various carriers and other intermediaries to achieve the required performance at the right price.

When the planning is completed and exports are ready to move, Nippon Express's forwarding reserves and books space on ocean carriers on behalf of its customers, and then arranges for any additional services needed for the land portion of the move to include shipment pickup, cargo transfer to the pier, warehousing services, cargo insurance, and whatever is need to provide true door-to-door service.

TRANSPORTATION ANALYSIS AND COORDINATION

Pre-shipment planning is a key element of Nippon Express' freight forwarding services. It works with its customers to understand its service and cost requirements for all of the freight that it controls, and then advises these customers on the best rates, routings and modes of transporting goods to or from any area in the world. Nippon Express provides this comprehensive service to all its export customers, whether they have very basic shipping requirements or extremely complex international transportation challenges.

While there are many freight forwarders exporters can choose from, none has the number of skilled professionals located throughout the world, a global information technology system and long-established relationships with every major transportation service on

every continent. Nippon Express uses all of these resources, so its customers' shipments move by the most timely and cost-effective means. It makes sure its customers' shipments do not fall victim to the many risks of international commerce.

TRANSPORTATION AND TRADE DOCUMENTATION

One of the most important roles of an international freight forwarder is to prepare all necessary transportation documents, and if the customer requires, various trade documents to complete the international transaction. As the customer requires, all documents can be transmitted to anywhere in the world via electronic data interchange (EDI) using Nippon Express's global information capabilities.

SCOPE OF WORK

- International freighting between Far East, USA, Europe and Malaysia.
- Freighting from all over the world to Malaysia
- F.O.B. work and packing in Japan
- Import custom clearance in Overseas and Malaysia
- Co-ordination application for tax exemption and arrangement
- Inland transportation of general / consolidation / bonded / oversize / heavy cargoes
- Erection works / Installation works for factories plants, Petrochemical, Power stations, etc.
- Assembly & maintenance works
- Offshore fabrication works

PROBLEM STATEMENT

With the emerging of technologies, the company possesses numerous digital cameras and had given out to many of the organization employees mainly for working purposes. Whenever there is an accident that's involved company employees, company's properties, customers' properties, customers' cargoes or suppliers' properties photographs must be taken in order to retain the events as evidences that might be require for insurance claims purposes, police report, government bodies' requirement and etc.

Currently, there are massive amount and ever growing of digital photographs in the organization kept in an unsystematic way which will induced those photographs to be unmanageable and irrepressible. Important and crucial digital photographs are decentralized and scattered everywhere within the organization, some were stored in computers and some were in medium storages across the organization network. No one is able to trace these photographs and after a certain period of time no one will really knows what those photographs are for and why are they photographed. These photographs often lost, misplaced or untraceable which might lead to a lot of contentions and discrepancies between the organization and the appropriate parties such insurance company, government bodies and police department.

From time to time, the organization needs to refer to both present and past photographs as references due to some dispute or evidence for official matters such as attending to the federal court. When ever the management requires these photographs seeking for it will be a complete disaster. Since these photographs are stored in various location, in different computers and in many different kind of medium storage searching for the photographs itself could be very time consuming. Therefore the management often complains about these matters because the company efficiency is being decreased.

These photographs mainly consists of

- Damages of customer's valuable cargoes
- Damages of customer's properties (eg. factory, warehouse)
- Damages of company's trucks (eg. road accidents)
- Damages of company's trailers (eg. road accidents)
- Damages of highway's properties

- Damages of harbor's properties
- Damages of airport's properties
- Damages of government's properties
- Damages of supplier's properties
- Loading and unloading of cargoes procedures
- Cargoes arrangement inside the container
- Company's employee photos (eg. human resource dept)
- Company's events (eg. seminar, trip & etc)
- Company's trucks (eg. government truck inspection)
- Survey of installation plant (eg. propylene gas plant)
- Survey of destination route for new customer
- And many more

BACKGROUND RESEARCH

Adjacent to the above mentioned current issued and problems within the organization, the objective of this report is to provide the solution and recommendation to the problems identified earlier. The followings will elaborate more details on the solution that will be soon be implemented to the organization to eliminate any further undesirable discrepancies between the organization and others related parties. In near future the organization wishes to be equipped itself with an appropriate photo gallery system that could cater its needs in organizing photographs with a systematic manner. Therefore the system should be centralized where these photographs will be stored on a single unit server to enhance data integrity. Since the data is being centralized hence it will also makes data archiving simplified, all backup and restoration of data will be done at one server. The photo gallery system should also provide categorizing feature so that these photographs could be group into albums to enhance viewing pleasance instead of viewing everything at the same disorderly. The photo gallery system should also provide commenting feature so that every photographs could be inserted with descriptions because as time passes by or employee leaves the organization no one will really able to explain why those photographs are taken. The photo gallery system should also be user-friendly in displaying its content where users are not required to installed additional software to their system. Browser based viewing experience is the best solution as most of the operating system today are bundled with browser. As the system offer browsing solution thus it could be viewed within the local area network as well as through the internet with the appropriate network setting. While the system offers such services it is wise to implement user management system where the public could view a specified section and permitted users could view the forbidden section. This is to ensure data privacy and protects company's intellectual properties. Though the system offers easy viewing access to the public while retains certain securities measure is the best of both world solutions.

THE APPROACH

The website design will be based on HTML, using PHP, MYSQL and ImageMagick. This hybrid development is adopted so that the website performance could be boost dramatically. This hybrid development is crucial and it's the main element of this project because it's dealing with massive amount of photographs. The website output will be generated using PHP and display in HTML. Photographs are stored in albums and albums can be grouped by categorizes inside the MYSQL database. ImageMagick is required for thumbnails creation. Users' administration details will also be stored in the MYSQL database too.

The followings are the summary of the system features.

The photo gallery system is an advanced, user-friendly, picture gallery script with built-in support for other multi-media/data files. The gallery can be private, accessible to registered users only, and/or open to all visitors to our site. Users, if permitted, can upload pictures with their web browser (thumbnail and intermediate sized images are created on the fly), rate pictures and add comments. The site administrator determines which of the features mentioned above are accessible by registered and non-registered users. The site administrator can also manage galleries and batch process large numbers of pictures that have been uploaded onto the server by FTP.

Image files are stored in albums and albums can be grouped into categories, which in turn, can be further grouped under parent categories. The script supports multiple users and provides the administrator of the website with tools to manage which user groups can or cannot have personal albums, or add comments. Users may also upload to public albums if the website administrator permits it. Permissions to create albums, upload and delete files are all determined by the website administrator.

The photo gallery system has an optional user selectable theme system with a number of themes pre-installed. It also supports the use of multiple languages and contains its own language library. These language files provide users of our gallery, access in their preferred languages. The photo gallery system uses PHP, a MySQL database, and either the GD library (version 1.x or 2.x) or ImageMagick to generate and keep records and file information of all thumbnails, intermediate, and full-sized images. The photo gallery system generates the html code necessary to display its various categories, sub-categories, albums, intermediate, and full-sized image displays dynamically. This drastically cuts down on the number of files and space our gallery would require using standard HTML.

THE IMPLEMENTATION

System requirements

- A web server that supports PHP (Apache recommended)
- A MySQL database
- MySQL version 3.23.23 or better (4.x recommended). The MySQL user needs permissions to perform CREATE, ALTER, SELECT, UPDATE, and DELETE data from the database.
- A database needs to be set up that system can use - the install script will not create a database, but it will automatically create the tables and data structure in the database.
- PHP (version 4.1.0 or better), either compiled with the support for the GD library or permission to use the exec() function for the ImageMagick "convert" utility in order to make thumbnails and reduced size images. Note: If the server is using PHP 5+, "register_long_arrays" must be turned "on."
- An image library: either GD version 1.x or 2.x (PHP has to be compiled to support it) or ImageMagick.
- Windows XP professional operating system
- A Pentium IV computer with 1GB RAM
- A public static ip address (access via internet) (optional)

INTERFACE DESIGN

There will be web pages for

- User login-in
- User administrator
- User welcome
- User log-out
- Top rated, most viewed
- Album listing
- Search files (with keywords)
- Upload files
- Last uploaded
- Batch upload files
- Picture description
- Categories
- Random file display
- Individual view of photograph
- Index view of photographs
- Slideshow view of photographs

User login-in screenshot

通 NITTSU TRANSPORT SERVICE (M) SDN BHD
PHOTO GALLERIES PORTAL

Album list • Last uploads • Last comments • Most viewed • Top rated • Search
Login

Enter your username and password to login

Username

Password

Remember me ☐

[I forgot my password](#)

User administration screenshot

通 NITTSU TRANSPORT SERVICE (M) SDN BHD
PHOTO GALLERIES PORTAL

Album list • My gallery • Last uploads • Last comments • Most viewed • Top rated • Search • Upload file
My Favorites • Logout [kenlim] • User mode

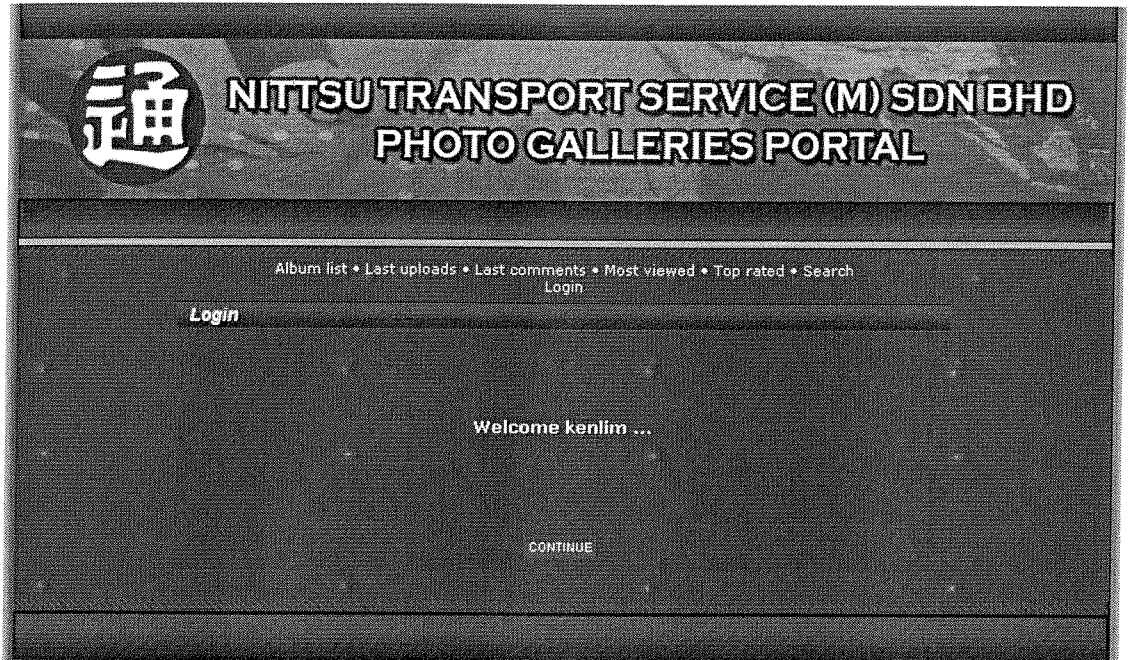
Upload approval Config Albums Categories Users Groups Ban Users Display Boards Review Comments Batch add files Admin Tools My profile

User name	Group	Registered on	Last Visit	Operations	Files	Space used / Quota
kenlim (Recent uploads)	Administrators	Oct 25, 2005	Aug 06, 2006	EDIT DELETE	33	9546 KB / 0 KB

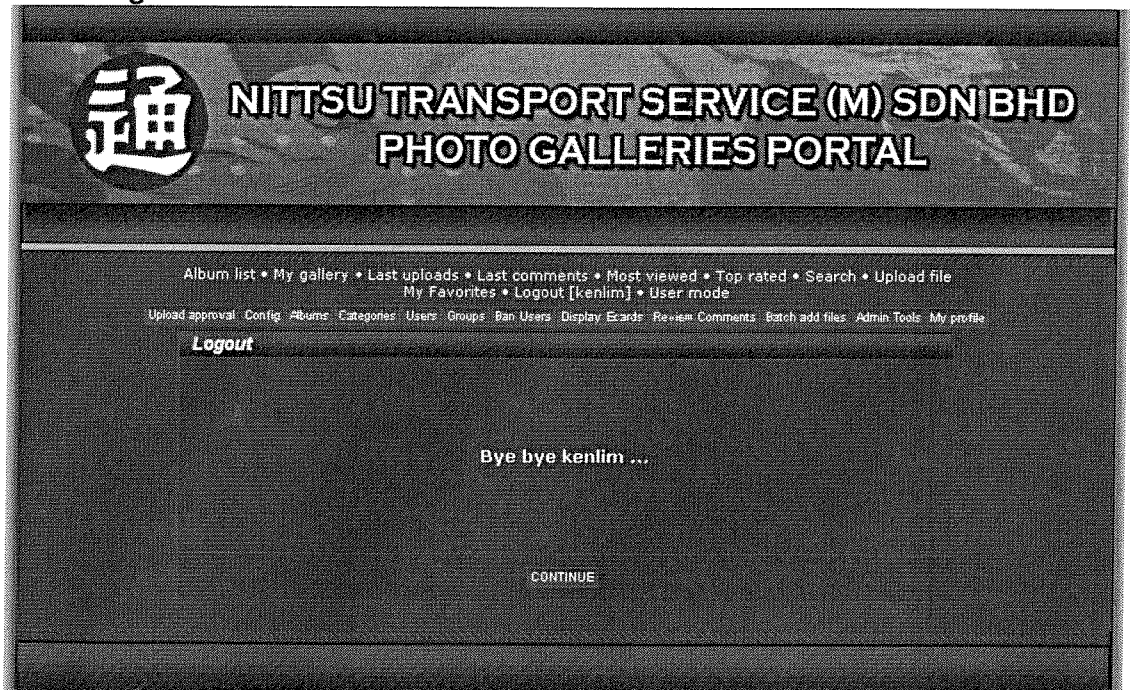
Sort users by

1 users on 1 page(s)

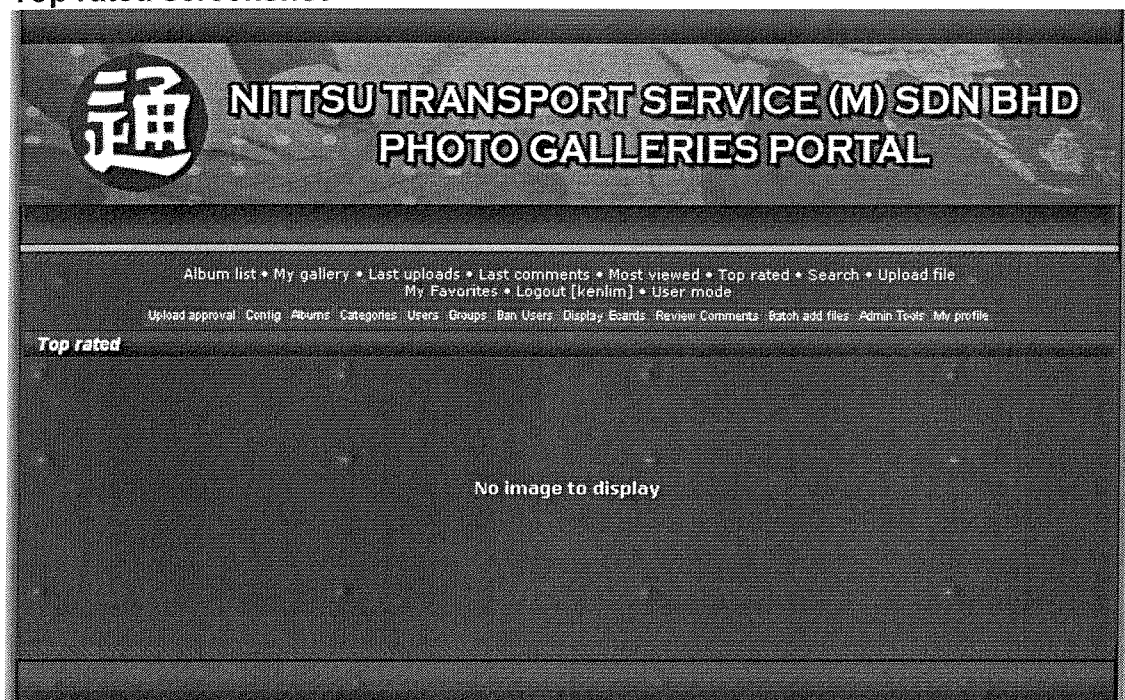
User welcome screenshot



User Logout screenshot



Top rated screenshot



Most viewed screenshots



Album listing and categories screenshot



Search the file collection (with keywords) screenshot



Upload files screenshot

通 NITTSU TRANSPORT SERVICE (M) SDN BHD
PHOTO GALLERIES PORTAL

Album list • My gallery • Last uploads • Last comments • Most viewed • Top rated • Search • Upload file
My Favorites • Logout [kenlim] • User mode

Upload approval Config Albums Categories Users Groups Ban Users Display Boards Review Comments Batch add files Admin Tools My profile

Upload file

Now you may upload your files using the upload boxes below. The size of files uploaded from your client to the server should not exceed 4096 KB each. ZIP files uploaded in the 'File Upload' and 'URI/URL Upload' sections will remain compressed.

When using the URI/URL upload section, please enter the path to the file like so: <http://www.mysite.com/images/example.jpg>

When you have completed the form, please click 'Continue'.

File Uploads:

1.	<input type="text"/>	Browse...
2.	<input type="text"/>	Browse...
3.	<input type="text"/>	Browse...
4.	<input type="text"/>	Browse...
5.	<input type="text"/>	Browse...

URI/URL Uploads:

1.	<input type="text"/>
2.	<input type="text"/>
3.	<input type="text"/>

Batch upload files screenshot

通 NITTSU TRANSPORT SERVICE (M) SDN BHD
PHOTO GALLERIES PORTAL

Album list • My gallery • Last uploads • Last comments • Most viewed • Top rated • Search • Upload file
My Favorites • Logout [kenlim] • User mode

Upload approval Config Albums Categories Users Groups Ban Users Display Boards Review Comments Batch add files Admin Tools My profile

Select directory

This function allows you to add a batch of file that your have uploaded to your server by FTP.

Select the directory where you have uploaded your files

Last upload files screenshot



NITTSU TRANSPORT SERVICE (M) SDN BHD

PHOTO GALLERIES PORTAL

[Album list](#) • [My gallery](#) • [Last uploads](#) • [Last comments](#) • [Most viewed](#) • [Top rated](#) • [Search](#) • [Upload file](#)
[My Favorites](#) • [Logout \[kenlim\]](#) • [User mode](#)

[Upload approval](#) • [Config](#) • [Albums](#) • [Categories](#) • [Users](#) • [Groups](#) • [Ban Users](#) • [Display Boards](#) • [Review Comments](#) • [Batch add files](#) • [Admin Tools](#) • [My profile](#)

Last additions

	Aug 06, 2006		Aug 06, 2006		Aug 06, 2006		Aug 06, 2006
	Aug 06, 2006		Aug 06, 2006		Aug 06, 2006		Aug 06, 2006
	Aug 06, 2006		Aug 06, 2006		Aug 06, 2006		Aug 06, 2006

33 files on 3 page(s)

1 2 3

Index view of photographs



NITTSU TRANSPORT SERVICE (M) SDN BHD


PHOTO GALLERIES PORTAL

[Album list](#) • [My gallery](#) • [Last uploads](#) • [Last comments](#) • [Most viewed](#) • [Top rated](#) • [Search](#) • [Upload file](#)
[My Favorites](#) • [Logout \[kenlim\]](#) • [User mode](#)

[Upload approval](#) • [Config](#) • [Albums](#) • [Categories](#) • [Users](#) • [Groups](#) • [Ban Users](#) • [Display Boards](#) • [Review Comments](#) • [Batch add files](#) • [Admin Tools](#) • [My profile](#)


Home > Nippon Warehouse

Nippon Warehouse

TITLE	FILE NAME	DATE
	Padang Besar - 0 views	Padang Besar Warehouse
	Padang Besar - 1 views	Padang Besar Warehouse
	Padang Besar - 2 views	Nippon Express Penang
	Port Klang Lot 14 - 0 views	Nippon Express Port Klang Lot 14
	Port Klang Lot 7 - 2 views	Nippon Express Port Klang Lot 7
	Padang Besar - 0 views	Future Padang Besar Warehouse

6 files on 1 page(s)

Pictures description screenshot



NITTSU TRANSPORT SERVICE (M) SDN BHD

PHOTO GALLERIES PORTAL

[Album list](#) • [My gallery](#) • [Last uploads](#) • [Last comments](#) • [Most viewed](#) • [Top rated](#) • [Search](#) • [Upload file](#)
[My Favorites](#) • [Logout \[kenlim\]](#) • [User mode](#)


[Upload approval](#) • [Config](#) • [Albums](#) • [Categories](#) • [Users](#) • [Groups](#) • [Ban Users](#) • [Display Ecards](#) • [Review Comments](#) • [Batch add files](#) • [Admin Tools](#) • [My profile](#)

Description





03.jpg
File info: 1661 x 752 - 161 KB - 2 views - 0 votes
Album: > Nittsu Compound
Title:
Description: 2006-06-28
Keywords:

☐ Read EXIF info again
☐ Reset view counter
☐ Reset votes
☐ Delete comments

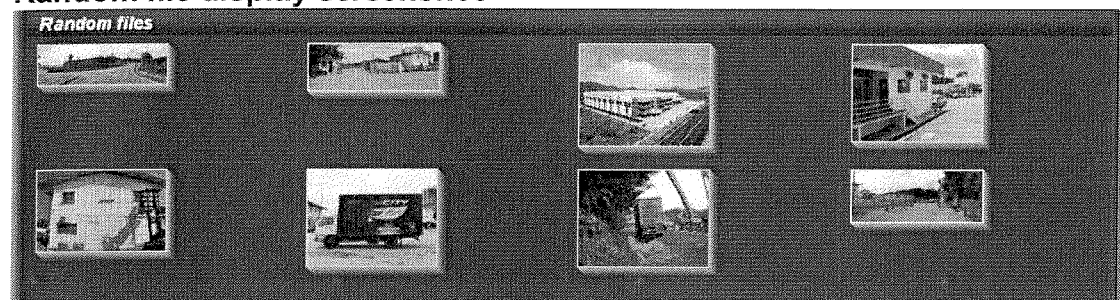
Apply modifications



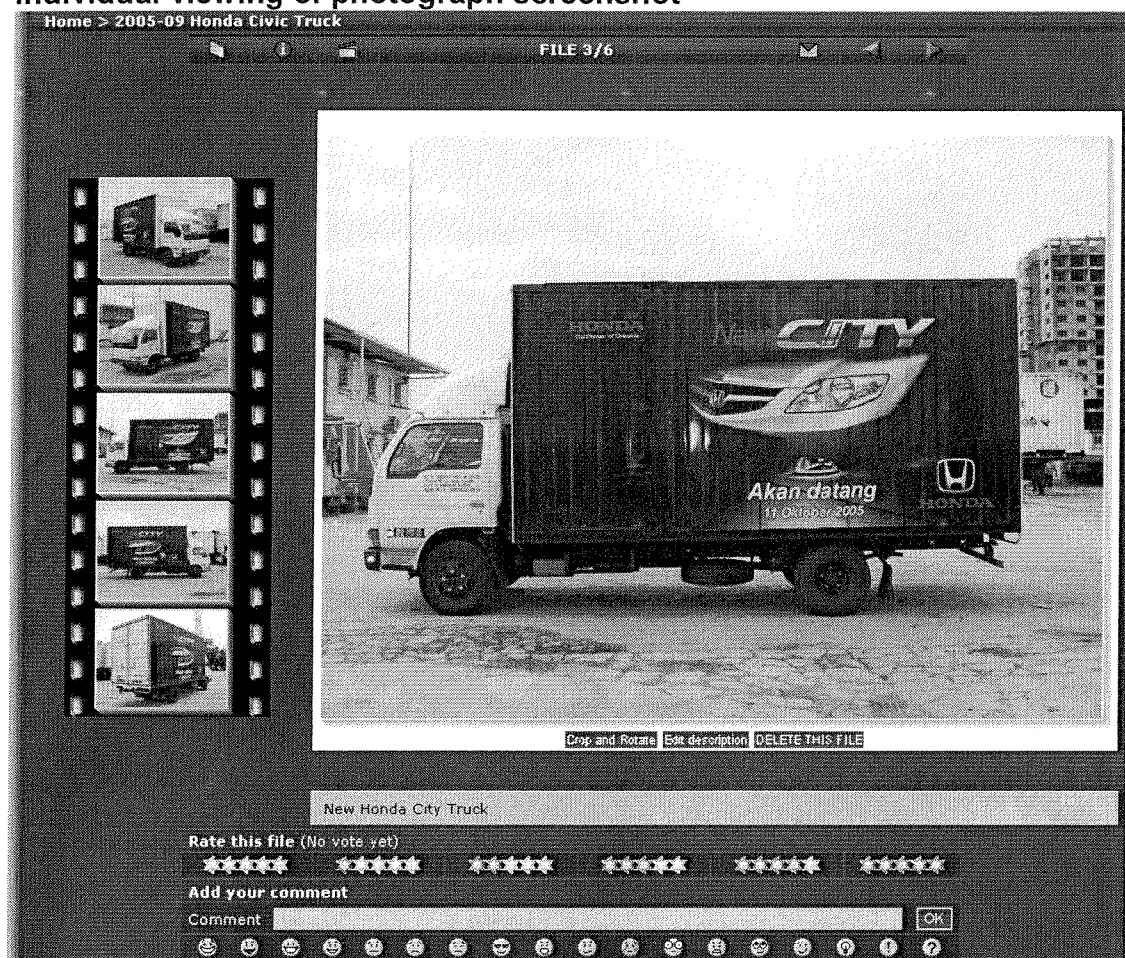
Category screenshot

Category	Albums	Files
Accidents & Damages Vehicles' Accidents & Cargoes' Damages	1	14
2006-07-26  DELETE PROPERTIES EDIT FILES 14 files, last one added on Aug 06, 2006		
1 albums on 1 page(s)		
33 files in 4 albums and 1 categories with 0 comments viewed 46 times		
2005-09 Honda Civic Truck  DELETE PROPERTIES EDIT FILES 6 files, last one added on Oct 25, 2005	Nippon Warehouse  DELETE PROPERTIES EDIT FILES 6 files, last one added on Oct 25, 2005	
Nittsu Compound  DELETE PROPERTIES EDIT FILES 7 files, last one added on Aug 06, 2006		
3 albums on 1 page(s)		

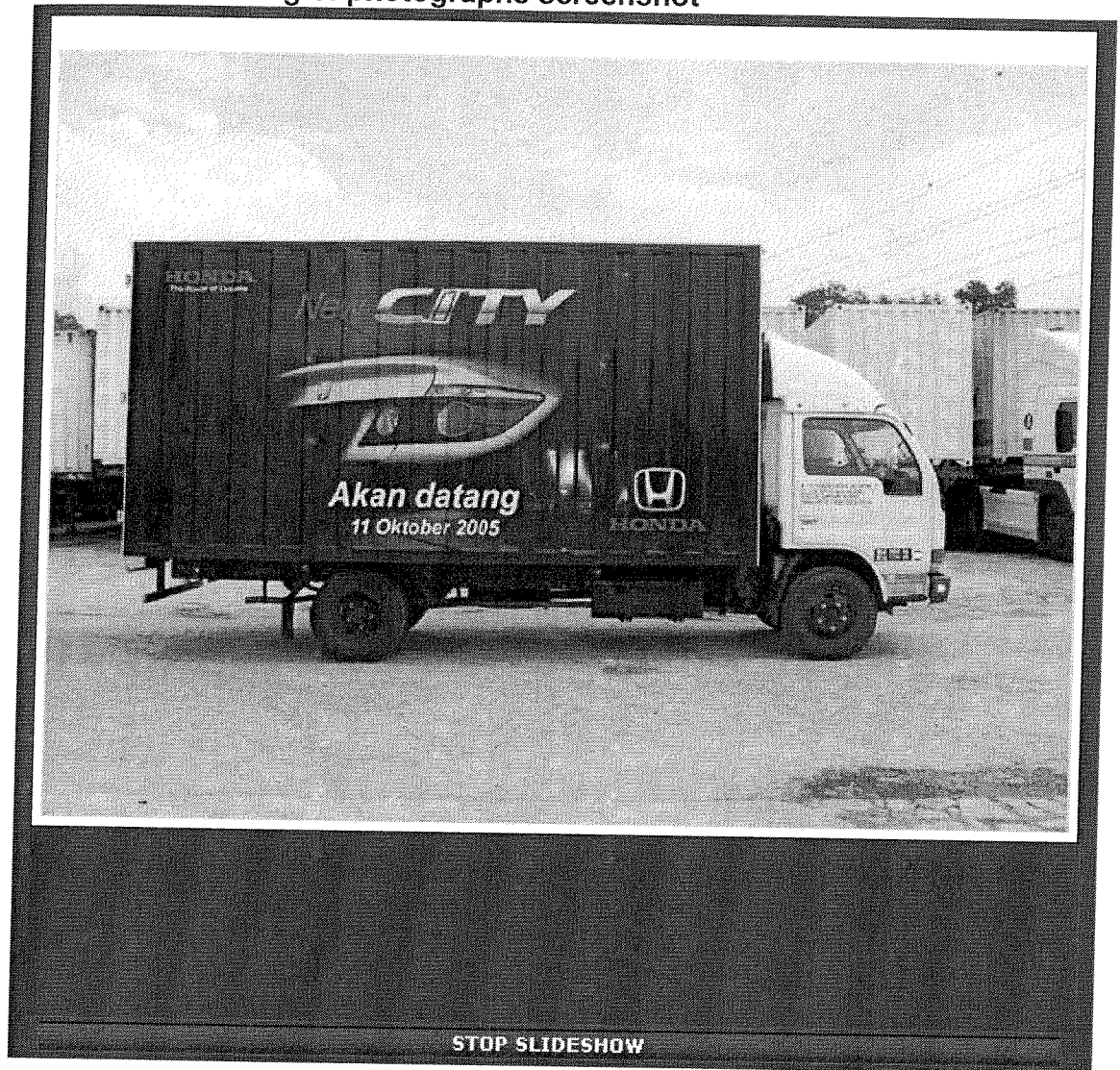
Random file display screenshot



Individual viewing of photograph screenshot



Slideshow viewing of photographs screenshot



IMPLEMENTATION PLAN

- I. Create a database using MySQL on a localhost;
- II. Run an Apache server with PHP support;
- III. Web pages with HTML and PHP;
- IV. ImageMagick for thumbnail creation;
- V. Test the web pages with real data & photographs;
- VI. Move the database and data onto a permanent server with public static ip for final stage testing.

WINDOWS INSTALLATION RUNNING ON APACHE SERVER

The instructions in this section take you through installing PHP into an Apache web server on a Windows system.

Installing Apache

If you already have an Apache web server installed on your system, you can skip this section.

Download the latest version of Apache from httpd.apache.org. The file to get is the MSI Installer package, named `apache_2.0.52-win32-x86-no_ssl.msi` for the current Apache 2.0.52 release. Save this file to your desktop and double-click to begin the installation process.

The installation process is done through a wizard and is mostly self-explanatory. You must accept the license terms to continue with the installation, after which you are shown some release notes. Click Next after you have read these, and you are asked to enter your server information.

Enter your server's domain name and hostname and your email address. If you are installing on a personal workstation, you should use `localhost` and `localhost` for your server information. You should leave the recommended option to install Apache on port 80 selected.

When asked to choose a setup type, you should select the typical setup. Then you are given the opportunity to select the destination folder for the Apache files. By default, this is `C:\Program Files\Apache Group`. Finally, Apache is ready to install, and clicking the Install button causes your system to start copying and setting up files on your system.

When the installation is complete, the Apache server and monitor program start up, and you see a new icon in your system tray. You can double-click this icon to bring up the Apache Service Monitor, which you can use to start and stop the web server process. A green light indicates a running server.